APPENDIX A

BENCHMARK CHARACTERISTIC ANALYSIS OF DATA FROM FIXED STATIONS IN THE LOWER WHITE RIVER WATERSHED 1991 TO 1997

Station: WR-19

	Valid N	Mean	Confid. -95.000%	Confid. +95.000%	Median	Sum	Minimum	Maximum	Lower Quartile	Upper Quartile	Range	Quartile Range	Variance	Std.Dev.	Standard Error	Std.Err. Skewness	Skewness	Kurtosis	Std.Err. Kurtosis
Alkalinity (mg/l)	19	177	158.8887	195.1113	165	3363	90	236	155	211	146	56	1412	37.57659	8.620861	-0.14334	0.523767	0.205712	1.01427
Ammonia (mg/l as N)	19	0.081579	0.047299	0.115859	0 05	1.55	0.05	0 3	0.05	0 05	0 25	0	0.005058	0.071123	0.016317	2 291169	0.523767	4.568759	1.01427
BOD (mg/l)	18	2.225	1.142096	3.307904	1.65	35.6	0.5	7.5	1.2	2.25	7	1.05	4.13	2.03224	0.50806	2 113465	0.564308	3.742148	1.090774
COD (mg/l)	19	19.87368	15.47485	24.27252	17.6	377.6	9	41	12.6	21	32	8.4	83.29316	9 126509	2.093765	1.201719	0.523767	0.660467	1.01427
Cyanide (mg/l)	18	0.005278	0.004692	0.005864	0.005	0.095	0.005	0 01	0.005	0.005	0.005	0	1.4E-06	0 001179	0.000278	4.242641	0.536278	18	1.037795
Nitrate (mg/l as N)	19	1.852632	1.427449	2 277814	2.2	35.2	0.3	3	1	2.5	2.7	1.5	0.778187	0.882149	0.202379	-0.64549	0.523767	-1.1421	1.01427
Total Phosphorus (mg/l as P)	19	0.217895	0.144965	0.290825	0.16	4.14	0.07	0.59	0 12	0 26	0 52	0.14	0.022895	0.151312	0.034713	1.670304	0.523767	2.124787	1.01427
Total Solids (mg/l)	19	454 1053	390.2939	517.9166	417	8628	320	890	383	482	570	99	17527.88	132.3929	30.37301	2.304377	0.523767	6.243894	1.01427
Suspended Solids (mg/l)	19	104.6842	61.34607	148.0224	75	1989	35	313	38	140	278	102	8084.895	89.91604	20.62815	1 483403	0.523767	1.238865	1.01427
Dissolved Solids (mg/l)	7	314.4286	231.4311	397.426	289	2201	232	509	270	310	277	40	8053.619	89.74196	33.91927	2.153518	0.793725	5.28218	1.587451
Sulfate (mg/l)	7	51.28571	29.66387	72.90756	43	359	32	100	38	62	68	24	546.5714	23.37887	8.836381	1.918948	0.793725	3.71464	1.587451
TKN (mg/l as N)	7	0.842857	0.610986	1.074728	0 8	5.9	0.6	1.3	0 6	1	0 7	0 4	0 062857	0.250713	0 094761	1.00622	0.793725	0.702893	1.587451
E. coli (CFU/100ml)	19	489.2105	-168.585	1147.006	80	9295	5	6000	20	320	5995	300	1862581	1364.764	313.0984	4.068157	0.523767	17.0771	1.01427
TOC (mg/l)	7	3.514286	2.710807	4.317764	3.5	24.6	2.4	4.8	2.7	4.2	2 4	1.5	0.754762	0.86877	0.328364	0.178954	0.793725	-1.25437	1.587451
Hardness (mg/l)	19	235.7368	211.5244	259.9493	238	4479	143	324	202	272	181	70	2523.538	50.23483	11.52466	0.000517	0.523767	-0.2503	1.01427
Chloride (mg/l)	7	29.14286	15.75729	42.52842	24	204	15	58	20	36	43	16	209.4762	14.47329	5.47039	1.545724	0.793725	2.552324	1.587451
Dissolved Oxygen (mg/l)	16	10.02188	8.947549	11.0962	9.9	160 35	6 67	14.7	8.51	11 29	8 03	2 78	4 06483	2 016142	0.504036	0.56493	0 564308	0.637508	1.090774
pH	16	7.989375	7.808982	8.169768	8.03	127 83	7 17	8.46	7.865	8 155	1 29	0 29	0 114606	0 338535	0.084634	-0 8444	0 564308	1.06669	1.090774
Copper (ug/l)	8	5.95	3.13719	8.76281	5.35	47.6	2	11	3.2	8.75	9	5.55	11.32	3.364521	1.189538	0.352267	0.752101	-1.10176	1.48088
Iron (ug/l)	8	2491.25	1084.352	3898.148	1900	19930	770	5800	1280	3500	5030	2220	2831984	1682.85	594.9773	1.138684	0.752101	0.966992	1.48088
Zinc (ug/l)	8	13.975	8.360618	19.58938	14	111.8	5.7	24	8.05	19	18 3	10 95	45.09929	6.7156	2.374323	0.251884	0.752101	-1.53936	1.48088

Station: WR-46

	Valid N	Mean	Confid. -95.000%	Confid. +95.000%	Median	Sum	Minimum	Maximum	Lower Quartile	Upper Quartile	Range	Quartile Range	Variance	Std.Dev.	Standard Error	Std.Err. Skewness	Skewness	Kurtosis	Std.Err. Kurtosis
Alkalinity (mg/l)	77	177.7532	167.3127	188.1938	177	13687	56	322	149	203	266	54	2115.925	45.99919	5.242094	0.356885	0.273908	0.924699	0.54146
Ammonia (mg/l as N)	78	0.089103	0.070252	0.107953	0 05	6.95	0.05	0.6	0 05	0 1	0 55	0.05	0.00699	0.083607	0.009467	3 553817	0 272211	17.58244	0.538176
BOD (mg/l)	36	2.713889	2.059091	3.368687	2.35	97 7	0 5	9.2	1.25	3.6	8.7	2.35	3.74523	1.93526	0.322543	1.41142	0 392544	2.400299	0 768076
COD (mg/l)	78	21.88846	17.16924	26.60769	18.7	1707.3	2 5	190	14.1	23.3	187 5	9.2	438.1093	20.93106	2.369976	6.902902	0 272211	55.38697	0 538176
Cyanide (mg/l)	76	0.005066	0.004878	0.005254	0.005	0.385	0	0.009	0.005	0.005	0.009	0	6.8E-07	0.000822	9.4E-05	-1.30747	0.275637	26.23025	0.544804
Nitrate (mg/l as N)	78	2.376282	1.272671	3.479894	1.8	185.35	0.05	44	1.2	2.6	43.95	1.4	23.95927	4.894821	0.554229	8.18818	0.272211	70.30767	0.538176
Total Phosphorus (mg/l as P)	78	0.204103	0.13997	0.268235	0.15	15.92	0.015	2.56	0.12	0 2	2.545	0.08	0.08091	0.284446	0.032207	7.579171	0.272211	62.98791	0.538176
Total Solids (mg/l)	78	459.5769	417.6597	501.4941	424.5	35847	233	1690	371	480	1457	109	34564.14	185.9143	21.05065	4.338024	0.272211	25.54349	0.538176
Suspended Solids (mg/l)	78	90.84615	69.34917	112.3431	56.5	7086	9	534	37	98	525	61	9090.677	95.34504	10.7957	2.582117	0.272211	7.536264	0.538176
Dissolved Solids (mg/l)	22	329.3182	290.363	368.2733	317	7245	215	534	276	357	319	81	7719.465	87.86049	18.73192	1.066516	0.490962	0.705138	0.95278
Sulfate (mg/l)	24	58.20833	47.34736	69.06931	50	1397	22	120	44	67.5	98	23.5	661.5634	25.72087	5.250252	1.090756	0.472261	0.695203	0.917777
TKN (mg/l as N)	78	1.100641	0.865947	1.335335	0.9	85 85	0.05	9.4	0 7	1.2	9.35	0.5	1.083539	1.040932	0.117862	6 776018	0.272211	53.74067	0.538176
E. coli (CFU/100ml)	73	393.8356	199.3938	588.2774	80	28750	5	4400	30	260	4395	230	694521.2	833.3784	97.53968	3 278062	0.281029	10.96095	0.555223
TOC (mg/l)	22	3.931818	3.22118	4.642456	3.65	86 5	2.6	10.6	3.1	4.2	8	1.1	2.568939	1.602791	0.341716	3.672361	0.490962	15.60629	0.95278
Hardness (mg/l)	78	239.3077	225.8222	252.7931	243	18666	110	410	200	270	300	70	3577.437	59.81168	6.772339	0.084872	0.272211	0.411115	0.538176
Chloride (mg/l)	24	31.20833	24.45445	37.96222	26 5	749	11	74	21	36 5	63	15.5	255.8243	15.99451	3.264865	1.267269	0 472261	1 293909	0 917777
Dissolved Oxygen (mg/l)	59	10.14305	9.722588	10.56351	10 2	598 44	5 2	13.5	9 1	11 2	8 3	2 1	2.603163	1.613432	0.210051	-0.43664	0 311176	0 529307	0.613257
pH	60	8.060333	7.963466	8.157201	8.12	483 62	7	8.64	7.88	8.33	1.64	0 45	0.14061	0.37498	0.04841	-0.95958	0 308694	0.808813	0.608492
Copper (ug/l)	77	5 987013	4.120545	7.853481	4 6	461	2	71	2	7	69	5	67 62325	8.223336	0.937136	6.719397	0 273908	52.62505	0.54146
Iron (ug/l)	76	3122.368	1319.582	4925.155	1500	237300	290	68000	1100	2650	67710	1550	6.2E+07	7889.32	904.9671	7.659199	0 275637	63.00343	0.544804
Zinc (ug/l)	77	19 32403	12 13066	26.51739	10	1487 95	2 25	270	10	20	267 75	10	1004 428	31.69271	3.611719	6 806639	0.273908	52.85698	0.54146

	Valid N	Mean	Confid. -95.000%	Confid. +95.000%	Median	Sum	Minimum	Maximum	Lower Quartile	Upper Quartile	Range	Quartile Range	Variance	Std.Dev.	Standard Error	Skewness	Std.Err. Skewness	Kurtosis	Std.Err. Kurtosis
Alkalinity (mg/l)	78	186.7132	176.8624	196.5639	194	14190.2	8.2	263	164	211.5	254.8	47.5	1858.349	43.10857	4.944893	-1.10682	0.275637	2.703536	0.544804
Ammonia (mg/l as N)	78	0.098077	0.073537	0.122617	0.05	7.65	0.05	0.7	0.05	0.1	0.65	0.05	0.011847	0.108843	0.012324	3.174805	0.272211	12.44458	0.538176
BOD (mg/l)	36	3.816667	2.880085	4.753269	3.05	137.4	0.5	10	1.75	4.95	9.5	3.2	7.662571	2.768135	0.461356	0.927022	0.392544	-0.15397	0.768076
COD (mg/l)	77	21.95844	19.90527	24.01161	21	1690.8	2.5	42	15	28	39.5	13	81.82878	9.045926	1.030879	0.164323	0.273908	-0.73786	0.54146
Cyanide (mg/l)	1	0.005				0.005	0.005	0.005											
Nitrate (mg/l as N)	78	1.64359	1.419805	1.867375	1.8	128.2	0.05	4	0.7	2.5	3.95	1.8	0.985153	0.992549	0.112384	-0.17675	0.272211	-0.89396	0.538176
Total Phosphorus (mg/l as P)	78	0.249808	0.221023	0.278592	0.22	19.485	0.015	0.66	0.17	0.28	0.645	0.11	0.016299	0.127667	0.014455	1.144846	0.272211	1.282464	0.538176
Total Solids (mg/l)	76	494.5921	473.2503	515.9339	472	37589	283	739	430.5	531	456	100.5	8722.698	93.39539	10.71319	0.832705	0.275637	0.350924	0.544804
Suspended Solids (mg/l)	76	84.32895	66.56915	102.0887	58.5	6409	10	413	42	88.5	403	46.5	6040.41	77.72008	8.915104	2.258629	0.275637	5.499266	0.544804
Dissolved Solids (mg/l)	22	397.2727	342.705	451.8404	375.5	8740	242	684	304	435	442	131	15147.06	123.0734	26.23934	0.926926	0.490962	0.284443	0.95278
Sulfate (mg/l)	22	75.54545	57.85975	93.23116	62.5	1662	31	180	52	80	149	28	1591.117	39.88881	8.504322	1.3133	0.490962	1.035096	0.95278
TKN (mg/l as N)	23	1.171739	0.954853	1.388625	1.2	26.95	0.05	2.3	0.8	1.6	2.25	0.8	0.251551	0.501549	0.10458	0.115158	0.481337	0.264616	0.934764
E. coli (CFU/100ml)	74	364.0541	186.072	542.0361	70	26940	5	4000	20	220	3995	200	590161.4	768.2196	89.30372	2.962996	0.279197	8.816141	0.551684
TOC (mg/l)	22	4.204545	3.739836	4.669255	4.3	92.5	2.2	6.1	3.8	4.9	3.9	1.1	1.09855	1.048117	0.223459	-0.21107	0.490962	-0.46605	0.95278
Hardness (mg/l)	76	253.5921	242.0577	265.1265	258.5	19273	100	361	225.5	289	261	63.5	2547.898	50.47671	5.790076	-0.45195	0.275637	0.50637	0.544804
Chloride (mg/l)	22	49.77273	38.03021	61.51524	41	1095	18	105	33	65	87	32	701.4221	26.48437	5.646488	0.936274	0.490962	-0.0943	0.95278
Dissolved Oxygen (mg/l)	58	10.69466	10.25176	11.13755	10.56	620.29	7.85	15.49	9.6	11.75	7.64	2.15	2.837211	1.684402	0.221173	0.535612	0.31372	0.519967	0.618136
pH	59	8.112881	8.005722	8.220041	8.22	478.66	6.93	8.87	7.87	8.42	1.94	0.55	0.169086	0.411201	0.053534	-0.8986	0.311176	0.859641	0.613257
Copper (ug/l)	23	4.421739	3.335876	5.507602	4.3	101.7	2	8.9	2	6.5	6.9	4.5	6.305415	2.511059	0.523592	0.513403	0.481337	-1.04805	0.934764
Iron (ug/l)	22	2232.273	1280.292	3184.253	1450	49110	260	8800	950	2400	8540	1450	4610133	2147.122	457.7679	1.777838	0.490962	3.073648	0.95278
Zinc (ug/l)	23	14.18261	10.3135	18.05171	12	326.2	5	41	7.4	16	36	8.6	80.05423	8.947303	1.865642	1.604383	0.481337	2.72056	0.934764

Station: WR-162

	Valid N	Mean	Confid. -95.000%	Confid. +95.000%	Median	Sum	Minimum	Maximum	Lower Quartile	Upper Quartile	Range	Quartile Range	Variance	Std.Dev.	Standard Error	Skewness	Std.Err. Skewness	Kurtosis	Std.Err. Kurtosis
Alkalinity (mg/l)	72	218.8333	209.6737	227.9929	227.5	15756	77	299	198	245	222	47	1[illegible]9.352	38.97887	4.593704	-0.9722	0.282898	1.659814	0.558831
Ammonia (mg/l as N)	72	0.129861	0.093358	0.166365	0.05	9.35	0.05	0.8	0.05	0.1	0.75	0.05	0.024131	0.155341	0.018307	2.628854	0.282898	7.157674	0.558831
BOD (mg/l)	34	4.276471	3.111174	5.441767	3.45	145.4	0.5	13	1.9	5.2	12.5	3.3	11.15398	3.339757	0.572764	1.230328	0.403053	0.806148	0.787898
COD (mg/l)	72	21.64861	19.64825	23.64897	20.1	1558.7	9	57.3	15.55	26.4	48.3	10.85	72.46394	8.512576	1.003217	1.335158	0.282898	3.156557	0.558831
Cyanide (mg/l)	71	0.005338	0.00505	0.005626	0.005	0.379	0.005	0.014	0.005	0.005	0.009	0	1.5E-06	0.001218	0.000145	5.609254	0.284805	37.28058	0.562511
Nitrate (mg/l as N)	72	2.455556	2.215536	2.695575	2.6	176.8	0.05	4.5	1.8	3.1	4.45	1.3	1.043279	1.02141	0.120374	-0.28134	0.282898	-0.4195	0.558831
Total Phosphorus (mg/l as P)	72	0.390986	0.32538	0.456592	0.285	28.151	0.04	1.13	0.195	0.575	1.09	0.38	0.077947	0.27919	0.032903	1.057576	0.282898	0.058662	0.558831
Total Solids (mg/l)	72	551.2361	517.3445	585.1278	521	39689	242	984	447	618	742	171	20801.39	144.2269	16.9973	0.643078	0.282898	0.466208	0.558831
Suspended Solids (mg/l)	72	57.18056	34.60001	79.7611	34.5	4117	4	748	22	56	744	34	9233.699	96.09214	11.32457	5.764269	0.282898	38.85819	0.558831
Dissolved Solids (mg/l)	22	510.5	436.2164	584.7836	477.5	11231	269	827	367	629	558	262	28070.07	167.5413	35.71992	0.470131	0.490962	-0.84932	0.95278
Sulfate (mg/l)	22	91.54545	69.65514	113.4358	80	2014	31	190	50	120	159	70	2437.593	49.37199	10.52614	0.728358	0.490962	-0.69456	0.95278
TKN (mg/l as N)	22	1.290909	1.071595	1.510223	1.2	28.4	0.6	2.3	0.9	1.6	1.7	0.7	0.244675	0.494647	0.105459	0.644072	0.490962	-0.16831	0.95278
E. coli (CFU/100ml)	69	476.5217	247.4737	705.5698	150	32880	5	5500	40	410	5495	370	909101.7	953.4682	114.7841	3.595401	0.288737	14.12813	0.570095
TOC (mg/l)	22	4.863636	4.162259	5.565014	4.6	107	2.5	8.9	3.7	5.8	6.4	2.1	2.502424	1.581905	0.337263	0.660894	0.490962	0.417884	0.95278
Hardness (mg/l)	72	290.75	274.4503	307.0497	297.5	20934	140	682	270	313	542	43	4811.345	69.36386	8.174609	2.076416	0.282898	13.78709	0.558831
Chloride (mg/l)	22	81.63636	62.52119	100.7515	68	1796	25	155	49	125	130	76	1858.719	43.11286	9.191692	0.435059	0.490962	-1.13692	0.95278
Dissolved Oxygen (mg/l)	55	10.43945	10.02786	10.85105	10.3	574.17	7.87	14.29	9.25	11.51	6.42	2.26	2.318087	1.522528	0.205297	0.349682	0.321742	-0.33405	0.633507
pH	56	8.061429	7.947974	8.174883	8.15	451.44	6.74	8.81	7.875	8.325	2.07	0.45	0.179482	0.423653	0.056613	-0.90843	0.319	1.31518	0.628256
Copper (ug/l)	23	4.852174	3.617253	6.087095	4.6	111.6	2	10	2	7.5	8	5.5	8.155336	2.855755	0.595466	0.508865	0.481337	-1.12743	0.934764
Iron (ug/l)	23	1318.696	473.6678	2163.723	650	30330	160	9200	470	1100	9040	630	3818612	1954.127	407.4636	3.386164	0.481337	12.66274	0.934764
Zinc (ug/l)	23	16.47391	12.95066	19.99716	15	378.9	6.8	45	10	19	38.2	9	66.36202	8.147516	1.698875	2.096689	0.481337	6.122422	0.934764

APPENDIX B

LOWER WHITE RIVER WATERS ASSESSED IN THE CLEAN WATER ACT SECTION 305(B) REPORT 1996 TO 1998

Overall Use Support Status Report
06-04-98

Waterbody ID : **IN05120202010** Segment Number: 00
Waterbody Name: Bean Blossom Creek
Waterbody Type: River Size: 114.40 Miles
Basin: WHITE RIVER

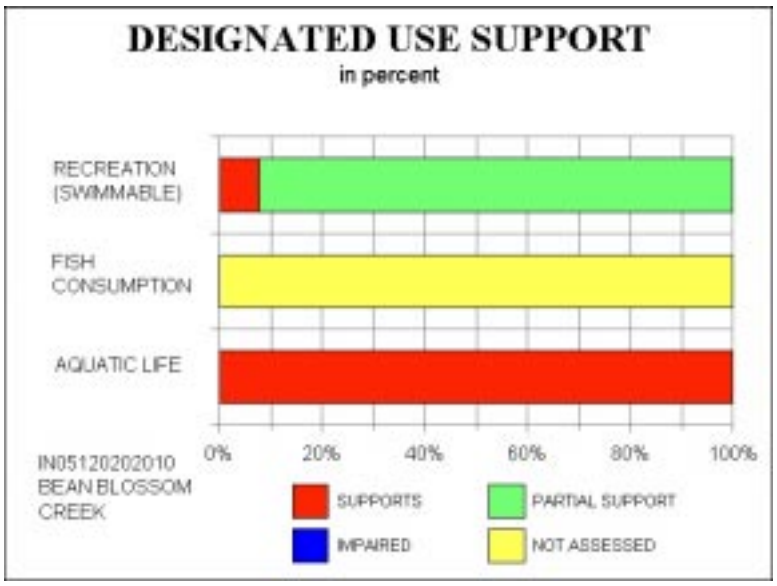
---------- Description of the Waterbody ----------

No description available

Assessment Date: 9804

---------- Use Support ----------

Designated Use	Fully Supp	Threat	Partial Supp	Not Supported	Not Attained	Not Assessed
AQUATIC LIFE SUPPORT	114.40	0.00	0.00	0.00	0.00	0.00
FISH CONSUMPTION	0.00	0.00	0.00	0.00	0.00	114.40
SWIMMABLE	8.80	0.00	105.60	0.00	0.00	0.00



---------- Nonattainment Causes ----------

Cause	Size	Mag
1700-PATHOGENS	105.60	S

---------- Nonattainment Sources ----------

Source	Size	Mag
9000-SOURCE UNKNOWN	105.60	S

Overall Use Support Status Report
06-04-98

Waterbody ID : **IN05120202020** Segment Number: 00
Waterbody Name: W.F.White River Basin (Bean Blossom to Buckhall Cr)
Waterbody Type: River Size: 162.20 Miles
Basin: WHITE RIVER

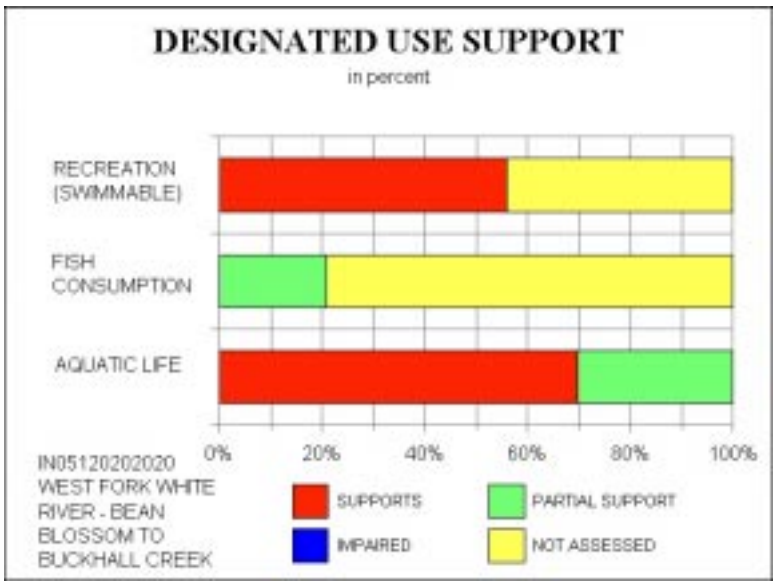
---------- Description of the Waterbody ----------

No description available

Assessment Date: 9804

---------- Use Support ----------

Designated Use	Fully Supp	Threat	Partial Supp	Not Supported	Not Attained	Not Assessed
AQUATIC LIFE SUPPORT	113.30	0.00	48.90	0.00	0.00	0.00
FISH CONSUMPTION	0.00	0.00	33.60	0.00	0.00	128.60
SWIMMABLE	90.70	0.00	0.00	0.00	0.00	71.50



---------- Nonattainment Causes ----------

Cause	Size	Mag
0410-PCBs	33.60	M
0500-METALS	33.60	S
0560-Mercury	33.60	S

---------- Nonattainment Sources ----------

Source	Size	Mag
9000-SOURCE UNKNOWN	33.60	S

Overall Use Support Status Report
06-04-98

Waterbody ID : **IN05120202030** Segment Number: 00
Waterbody Name: Lattas Creek Basin
Waterbody Type: River Size: 35.00 Miles
Basin: WHITE RIVER

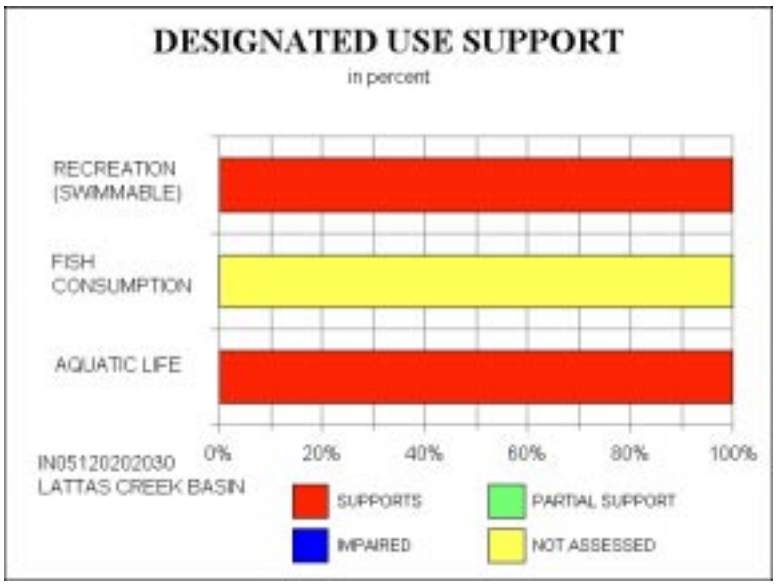
---------- Description of the Waterbody ----------

No description available

Assessment Date: 9804

---------- Use Support ----------

Designated Use	Fully Supp	Threat	Partial Supp	Not Supported	Not Attained	Not Assessed
AQUATIC LIFE SUPPORT	35.00	0.00	0.00	0.00	0.00	0.00
FISH CONSUMPTION	0.00	0.00	0.00	0.00	0.00	35.00
SWIMMABLE	35.00	0.00	0.00	0.00	0.00	0.00



---------- Nonattainment Causes ----------

Cause Size Mag

No causes listed

---------- Nonattainment Sources ----------

Source Size Mag

No sources listed

Overall Use Support Status Report
06-04-98

Waterbody ID : **IN05120202040** Segment Number: 00
Waterbody Name: W.F.White River Basin (incl. Richland Creek Basin)
Waterbody Type: River Size: 141.10 Miles
Basin: WHITE RIVER

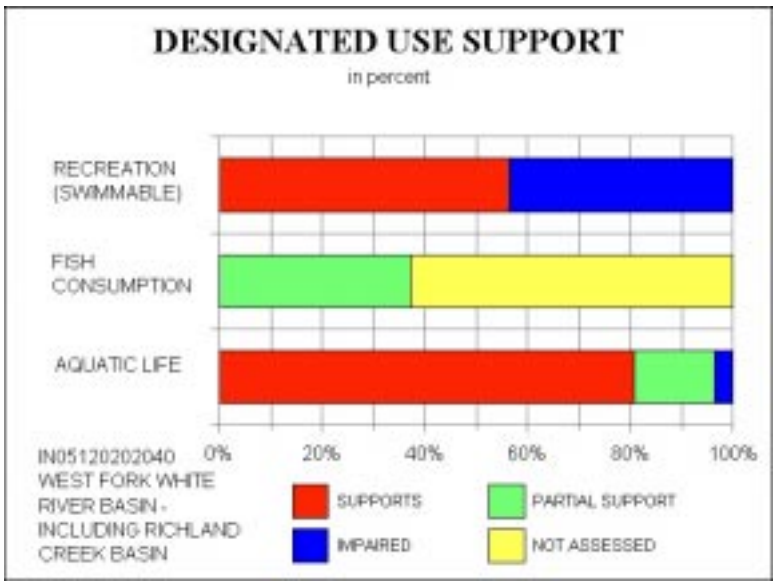
---------- Description of the Waterbody ----------

No description available

Assessment Date: 9804

---------- Use Support ----------

Designated Use	Fully Supp	Threat	Partial Supp	Not Supported	Not Attained	Not Assessed
AQUATIC LIFE SUPPORT	114.00	0.00	22.00	5.10	0.00	0.00
FISH CONSUMPTION	0.00	0.00	52.60	0.00	0.00	88.50
SWIMMABLE	79.80	0.00	0.00	61.30	0.00	0.00



---------- Nonattainment Causes ----------

Cause	Size	Mag
0410-PCBs	52.60	M
0500-METALS	52.60	S
0560-Mercury	52.60	S
1700-PATHOGENS	61.30	S

---------- Nonattainment Sources ----------

Source	Size	Mag
6000-LAND DISPOSAL	33.50	M
9000-SOURCE UNKNOWN	61.30	S

Overall Use Support Status Report
06-04-98

Waterbody ID : **IN05120202050** Segment Number: 00
Waterbody Name: W.F.White River (Richland to Black Cr)
Waterbody Type: River Size: 157.20 Miles
Basin: WHITE RIVER

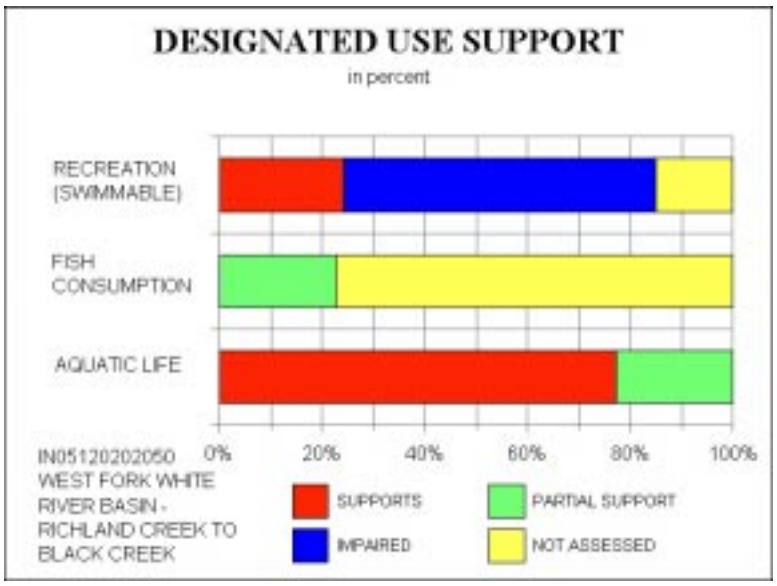
---------- Description of the Waterbody ----------

INCLUDES FISH CR

Assessment Date: 9804

---------- Use Support ----------

Designated Use	Fully Supp	Threat	Partial Supp	Not Supported	Not Attained	Not Assessed
AQUATIC LIFE SUPPORT	121.50	0.00	35.70	0.00	0.00	0.00
FISH CONSUMPTION	0.00	0.00	35.70	0.00	0.00	121.50
SWIMMABLE	37.80	0.00	0.00	95.80	0.00	23.60



---------- Nonattainment Causes ----------

Cause	Size	Mag
0410-PCBs	35.70	M
0500-METALS	35.70	S
0560-Mercury	35.70	S
1700-PATHOGENS	95.80	S

---------- Nonattainment Sources ----------

Source	Size	Mag
9000-SOURCE UNKNOWN	95.80	S

Overall Use Support Status Report
06-04-98

Waterbody ID : **IN05120202060** Segment Number: 00
Waterbody Name: Black Creek Basin
Waterbody Type: River Size: 70.90 Miles
Basin: WHITE RIVER

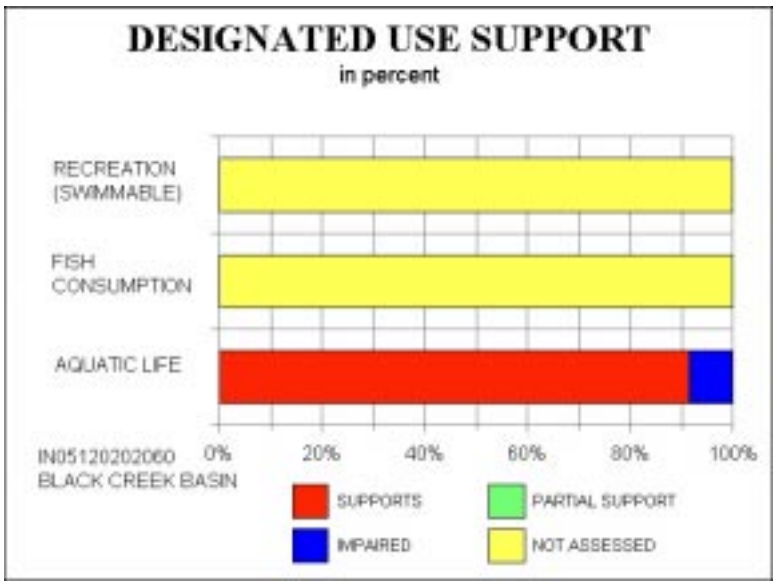
---------- Description of the Waterbody ----------

No description available

Assessment Date: 9804

---------- Use Support ----------

Designated Use	Fully Supp	Threat	Partial Supp	Not Supported	Not Attained	Not Assessed
AQUATIC LIFE SUPPORT	64.90	0.00	0.00	6.00	0.00	0.00
FISH CONSUMPTION	0.00	0.00	0.00	0.00	0.00	70.90
SWIMMABLE	0.00	0.00	0.00	0.00	0.00	70.90



---------- Nonattainment Causes ----------

Cause Size Mag

No causes listed

---------- Nonattainment Sources ----------

Source Size Mag

No sources listed

Overall Use Support Status Report
06-04-98

Waterbody ID : **IN05120202070** Segment Number: 00
Waterbody Name: W.F.White River Basin (incl. Pond, Indian, Veales Crks.)
Waterbody Type: River Size: 209.90 Miles
Basin: WHITE RIVER

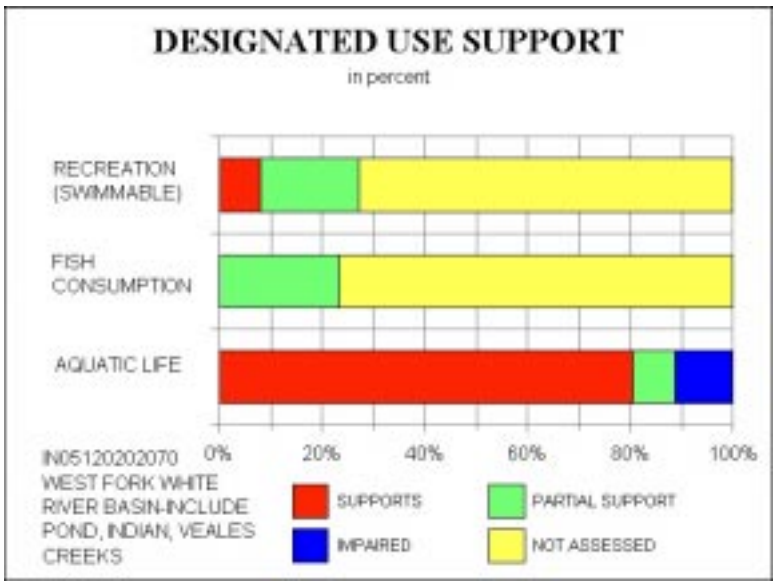
---------- Description of the Waterbody ----------

No description available

Assessment Date: 9804

---------- Use Support ----------

Designated Use	Fully Supp	Threat	Partial Supp	Not Supported	Not Attained	Not Assessed
AQUATIC LIFE SUPPORT	168.90	0.00	17.60	23.40	0.00	0.00
FISH CONSUMPTION	0.00	0.00	35.30	0.00	0.00	114.90
SWIMMABLE	16.90	0.00	40.40	0.00	0.00	152.60



---------- Nonattainment Causes ----------

Cause	Size	Mag
0410-PCBs	35.30	M
0500-METALS	35.30	S
0560-Mercury	35.30	S
1700-PATHOGENS	40.40	S

---------- Nonattainment Sources ----------

Source	Size	Mag
9000-SOURCE UNKNOWN	40.40	S

Overall Use Support Status Report
06-04-98

Waterbody ID : **IN05120202080** Segment Number: 00
Waterbody Name: Prairie Creek Basin
Waterbody Type: River Size: 107.00 Miles
Basin: WHITE RIVER

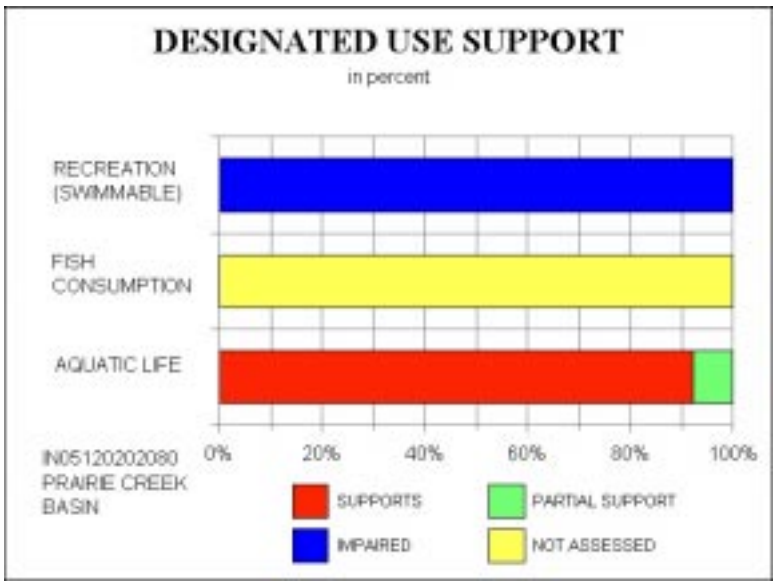
---------- Description of the Waterbody ----------

No description available

Assessment Date: 9804

---------- Use Support ----------

Designated Use	Fully Supp	Threat	Partial Supp	Not Supported	Not Attained	Not Assessed
AQUATIC LIFE SUPPORT	98.70	0.00	8.30	0.00	0.00	0.00
FISH CONSUMPTION	0.00	0.00	0.00	0.00	0.00	107.00
SWIMMABLE	0.00	0.00	0.00	73.70	0.00	0.00



---------- Nonattainment Causes ----------

Cause	Size	Mag
1700-PATHOGENS	73.70	S

---------- Nonattainment Sources ----------

Source	Size	Mag
9000-SOURCE UNKNOWN	73.70	S

Overall Use Support Status Report
06-04-98

Waterbody ID : **IN05120202090** Segment Number: 00
Waterbody Name: Prides Creek Basin
Waterbody Type: River Size: 7.90 Miles
Basin: WHITE RIVER

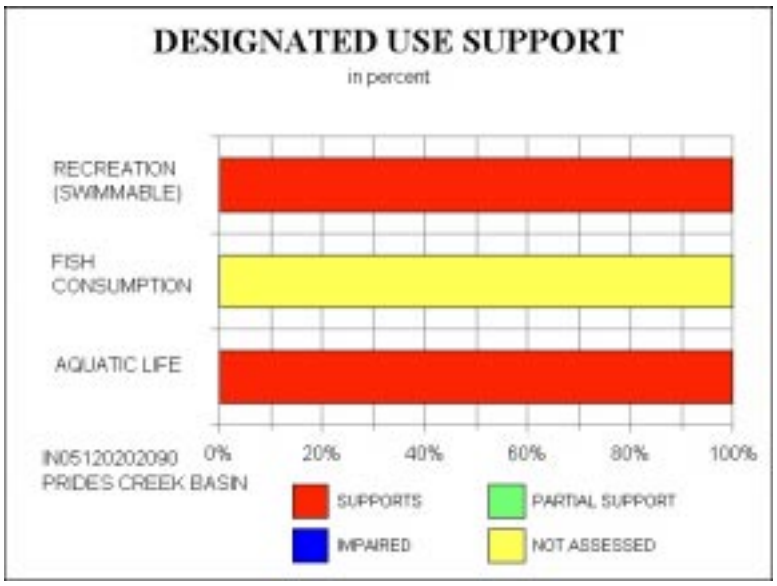
---------- Description of the Waterbody ----------

No description available

Assessment Date: 9804

---------- Use Support ----------

Designated Use	Fully Supp	Threat	Partial Supp	Not Supported	Not Attained	Not Assessed
AQUATIC LIFE SUPPORT	7.50	0.00	0.00	0.00	0.00	0.00
FISH CONSUMPTION	0.00	0.00	0.00	0.00	0.00	7.50
SWIMMABLE	7.50	0.00	0.00	0.00	0.00	0.00



---------- Nonattainment Causes ----------

Cause Size Mag

No causes listed

---------- Nonattainment Sources ----------

Source Size Mag

No sources listed

Overall Use Support Status Report
06-04-98

Waterbody ID : **IN05120202100** Segment Number: 00
Waterbody Name: White River Basin (EF White R to Wabash R)
Waterbody Type: River Size: 126.50 Miles
Basin: WHITE RIVER

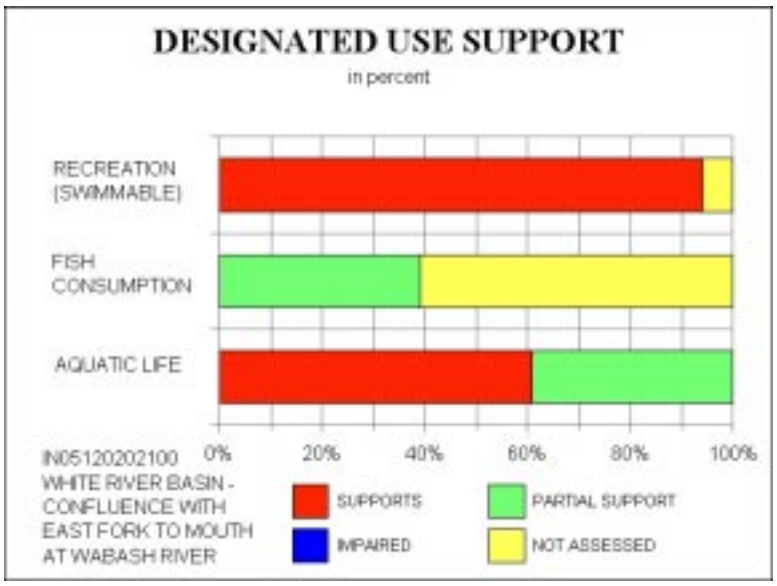
---------- Description of the Waterbody ----------

No description available

Assessment Date: 9804

---------- Use Support ----------

Designated Use	Fully Supp	Threat	Partial Supp	Not Supported	Not Attained	Not Assessed
AQUATIC LIFE SUPPORT	77.00	0.00	49.50	0.00	0.00	0.00
FISH CONSUMPTION	0.00	0.00	49.50	0.00	0.00	77.00
SWIMMABLE	119.00	0.00	0.00	0.00	0.00	7.50



---------- Nonattainment Causes ----------

Cause	Size	Mag
0410-PCBs	49.50	M
0500-METALS	49.50	S
0560-Mercury	49.50	S

---------- Nonattainment Sources ----------

Source	Size	Mag
9000-SOURCE UNKNOWN	49.50	M

APPENDIX C

Potential Stakeholders in the Lower White River Watershed

Potential Stakeholders in the Lower White River Watershed

Brown County

Brown County Chamber-Commerce
37 W Main St Nashville, IN
(812) 988-6647

Brown County Soil & Water
121 Locust Ln Nashville, IN
(812) 988-2211

Cooperative Extension
802 Memorial Dr Nashville, IN
(812) 988-5495

Health Office
201 Locust Ln Nashville, IN
(812) 988-2255

Planning Commission
201 Locust Ln Nashville, IN
(812) 988-5490

Surveyor's Office
PO Box 37 Nashville, IN
(812) 988-5500

Brown County Water Utility Inc
2349 State Rd 45 Helmsburg, IN
(812) 988-6611

Brown County Solid Waste
121 Locust Ln Nashville, IN
(812) 988-0140

Cooperative Extension Service
802 Memorial Dr Nashville, IN
(812) 988-5495

Sewage Plant
State Rd 46 S Nashville, IN
(812) 988-7315

Yellowwood State Forest
772 Yellowwood Lake Rd
Nashville, IN
(812) 988-7945

Daviess County

Elnora City Hall
105 W Main St Elnora, IN
(812) 692-5415

Waste Water Treatment
PO Box 336 Elnora, IN
(812) 692-5780

Water Dept
PO Box 336 Elnora, IN
(812) 692-5780

Odon Waste Treatment Plant
Highway 58 Odon, IN
(812) 636-7755

Odon City Hall
109 S Spring St Odon, IN
(812) 636-4321

ENGINEER
204 Southeast 3rd Street
Washington, IN 47501-3518
(812) 254-5798

SURVEYOR
Courthouse
200 East Walnut
Washington, IN 47501
(812) 644-7463

Daviess County Chamber of Commerce
1 Train Depot Street, PO Box 430
Washington, IN
47501
(812) 254-5262

Daviess County Cooperative Extension Office
Courthouse
Box 247, 214 Northeast 3rd Street
Washington, IN 47501-0247
812-254-8668
Fax 812-254-7472

Daviess County Growth Council
David R. Cox, Executive Director
P.O. Box 191
Washington, Indiana 47501-0191
Phone: (812) 254-1500

USDA Rural Development
1484 Executive Boulevard
Jasper, IN 46547
(812) 482-1171 Ex 4

Daviess County Soil and Water Conservation District
2524 E. National Hiway, Washington, IN 47581
(812) 254-4780

Gibson County

Gibson County Commissioners
101 N Main St Princeton, IN
(812) 385-8260

Gibson County Extension Office
800 S Prince St # 35 Princeton, IN
(812) 385-3491

Gibson County Surveyor
101 N Main St Princeton, IN
(812) 385-4853

Gibson County Board Of Health
800 S Prince St # 24 Princeton, IN
(812) 385-3831

Gibson County Solid Waste Dist
101 N Main St Princeton, IN
(812) 385-3136

Gibson County Soil and Water Conservation District
229 S. Second Ave. Princeton, IN 47670
(812) 385-5033

Greene County

County Commissioners
THOMAS BRITTON
R.R. 1 BOX 19, SOLSBERRY, IN. 47459

WILLIAM SIPES
R.R. 2 BOX 44, BLOOMFIELD, IN. 47424

THOMAS E. BAILEY
R.R. 1 BOX 263, LYONS, IN. 47443

Health Department
Frederick R. Ridge, M.D.
Courthouse, Room GO4
Bloomfield, IN 47424-1469
Phone: (812) 384-4496

Hillenbrand Fish and Wildlife Area
Managed by Minnehaha FWA
2411 E State Road 54 Sullivan, IN 47882
(812) 268-5640

Green County Farm Service Agency
30 W Indiana Ave Bloomfield, IN
(812) 384-4634

Greene County Surveyor
217 E Spring St # 2 Bloomfield, IN
(812) 384-2026

Linton Mayor's Office
86 Main St S Linton, IN
(812) 847-7754

Linton Water Dept Water Works
86 Main Street S
Linton, IN
(812) 847-4604

Greene Sulivan State Forest
2551 S State Road 159 Dugger, IN
(812) 648-2810

Greene County Solid Waste
Mgmt Rr 1 Switz City, IN
(812) 659-9955

Greene County Economic Development Corporation
132 E. Main Street, Suite 5, Bloomfield, IN 47424
812-384-3454, 812-384-8179
Jasonville Mayor
145 S Lawton St Jasonville, IN
(812) 665-2266

Natural Resources Dept
State Road 48 Jasonville, IN
(812) 665-2207

Greene County Soil &Water Conservation District
30 W. Indiana Ave. Suite 2, Bloomfield, IN
(812) 384-4636

Newberry Town Hall
Highway 57 Newberry, IN
(812) 659-3825

Knox County

Knox County Area Planning
111 N 7th St Fl 3 Vincennes, IN
(812) 885-2544

Area Board of Zoning Appeals - Phone (812) 885-2544

Knox County Health Ofc
624 Broadway St Vincennes, IN
(812) 882-8080

County Commissioner's
111 N 7th St Vincennes, IN
(812) 885-2514

Knox County Solid Waste Mgmt
2758 E Pine Hill Dr # C Vincennes, IN
(812) 895-4878

Knox County Surveyor
111 N 7th St Fl 4 Vincennes, IN
(812) 885-2535

Knox County Soil and Water Conservation District
2015 Hart St. Vincennes, IN 47591
(812) 882-8210

Farm Service Agency
2013 Hart St Vincennes, IN
(812) 882-8210

Vincennes Mayor's Office
201 Vigo St Vincennes, IN
(812) 882-7285

Martin County

Martin County Commissioners
Shoals, IN
(812) 247-2756

Crane Town Hall
181 Larrimer St Crane, IN
(812) 854-7866

Cooperative Extension Service
205 Main St Shoals, IN
(812) 247-3041

Martin County Soil and Water Conservation District
203 Main St. PO Box 34 Shoals, IN
(812) 247-2423

Naval Surface Warfare Center- Crane Division
COMMANDER
NAVSURFWARCENDIV CRANE
300 HIGHWAY 361
Crane IN 47522-5001

Monroe County

Building Department 812-349-2580
Courthouse, Room 310 Bloomington, IN 47404

County Commissioners
Courthouse Room 322 Bloomington, IN 47404
812-349-2550
Iris F. Kiesling, President
Brian O'Neill, Vice President
Kirk R. White

Planning Department
Courthouse Room 306 Bloomington, IN 47404
812-349-2560

Cooperative Extension Service
812-349-2543

Health Department
119 West Seventh Street Bloomington, IN 47404-3989
812-349-2542

Surveyor's Office
812-349-2570

Monroe County Soil and Water Conservation District
1931 Liberty Drive Bloomington, IN 47403
(812) 334-4318

Owen County

Owen County Commissioners
Courthouse Spencer, IN
(812) 829-5058

Chamber Of Commerce
51 E Franklin St Spencer, IN
(812) 829-3245

Indiana State Owen-Putnam Frst
400 West St Spencer, IN
(812) 829-2462

Owen County Soil & Water Conservation District
State Rd 46 Spencer, IN
(812) 829-2605

Owen County Adm
291 Vandalia Ave Spencer, IN
(812) 829-4412
Owen County Cooperative Ext
180 S Washington St Spencer, IN
(812) 829-5020

SURVEYOR
349 North Main Street Spencer, IN 47460
(812)829-9117

Owen County Health Department
60 South Main Street, Floor 1 Spencer, IN 47460
(812)829-5017

Pike County

Pike County Commissioners
801 Main St Fl 2 Petersburg, IN
(812) 354-8448

Petersburg City Hall
704 Main St Petersburg, IN
(812) 354-8511

Petersburg City Sewage Plant
High St Extended Petersburg, IN
(812) 354-6691

Petersburg Water Dept
704 Main St Petersburg, IN
(812) 354-8707

Pike County Extension Agent
801 Main St Petersburg, IN
(812) 354-6838

Pike County Growth Council
714 1/2 Main St Petersburg, IN
(812) 354-2271

Pike County Ofc Board-Health
801 Main St Petersburg, IN
(812) 354-8796

Pike County Surveyor Office
Court House Petersburg, IN
(812) 354-9736

Pike County Soil and Water Conservation District
Highway 57 N &Lakeview Dr
Petersburg, IN
(812) 354-6728

Farm Service Agency
Highway 57 N &Lakeview Dr
Petersburg, IN
(812) 354-6120

Sullivan County

Commissioner's
100 Court House Sq Sullivan, IN
(812) 268-5677

Cooperative Extension Service
100 Court House Sq # 105 Sullivan, IN
(812) 268-4332

Sullivan County Landfill
Rr 3 Sullivan, IN
(812) 268-6814

Sullivan County Solid Waste
375 E County Rd Sullivan, IN
(812) 268-3966

Surveyor's Ofc
100 Court House Sq Sullivan, IN

(812) 268-4029

Board Of Health
102 N Section St Sullivan, IN
(812) 268-0224

Minnehaha Fish & Wildlife
2411 E State Road 54 Sullivan, IN
(812) 268-5640

Sullivan County Soil and Water Conservation District
2316 N Section St Sullivan, IN
(812) 268-6237

Farm Service Agency
2306 N Section St Sullivan, IN
(812) 268-5157

Conservancy Districts

Lattas Creek Conservancy District, Janice Corwin
30 W. Indiana Ave. P.O. Box 174
Bloomfield, IN 47424
(812) 384-4634 ext.2

Lake Lemon Conservancy District, Bob Madden
7599 Tunnel Rd. Unionville, IN 47468
(812) 334-0233

Prairie Creek Conservancy District, Ed Lundergan
Route #1 Montgomery, IN 47558

Resource Conservation & Development Councils

Sycamore Trails RC&D
5 Depot St. Greencastle, IN
(765) 653-9785

Hoosier Heartland RC&D
5995 Lakeside Blvd. Suite B
Indianapolis, IN (317) 290-3250

Four Rivers RC&D
715 S. 9th. St. Petersburg, IN
(812) 354-6808

STATE STAKEHOLDERS

Governor:

Frank O'Bannon
OFFICE OF THE GOVERNOR
INDIANAPOLIS, INDIANA 46204-2797

House of Representatives:

John Gregg-D, Dist.# 45
Vern Tincher-D, Dist.# 46
David B. Yount-R, Dist.# 59
Peggy Welch-D, Dist.# 60
Mark R. Kruzan-D, Dist.# 61
Jerry L. Denbo-D, Dist.# 62
Dave Crooks-D, Dist.# 63
John Frenz-D, Dist.# 64
Brent E. Steele-D, Dist.# 65

Indiana House of Representatives
200 W. Washington Street
Indianapolis, IN 46204-2786
(317) 232-9600
(800) 382-9842
TDD Telehone Numbers
TDD (317) 232-0404
TDD (800) 548-9517

Senate:

John Waterman-R, Dist #39
Lindel Hume-D, Dist. # 48
Richard D. Bray-R, Dist. #37
Vi Simpson-D, Dist. #40

Indiana State Senate
200 W. Washington Street
Indianapolis, IN 46204-2785
(317) 232-9400
(800) 382-9467
TDD Telehone Numbers
TDD (317) 232-0404
TDD (800) 548-9517

Indiana Farm Bureau Inc.

225 S East St
Indianapolis, IN 46202
(317) 692-7851

Indiana Department of Environmental Management
100 N. Senate Ave
P.O. Box 6015
Indianapolis, IN 46206-6015

IDEM Switchboard
(317) 232-8603 or (800) 451-6027

Agricultural Liaison	(317) 232-8587
Air Management	(317) 233-0178
Community Relations	(317) 233-6648
Compliance and Technical Assistance	(317) 232-8172
Criminal Investigations	(317) 232-8128
Enforcement	(317) 233-5529
Environmental Response	(317) 308-3017
Legal Counsel	(317) 232-8493
Media and Communication Services	(317) 232-8560
Pollution Prevention and Technical Assistance	(317) 232-8172
Solid and Hazardous Waste Management	(317) 233-3656
Water Management	(317) 232-8670

Indiana Department of Natural Resources
402 West Washington Street
Indianapolis, IN 46204-2748

IDNR, Division of Soil Conservation, Field Representatives are generally located with the SWCD office in each county.

Division of Engineering	(317) 232-4150
Division of Entomology and Plant Pathology	(317) 232-4120
Division of Fish & Wildlife	(317) 232-4080
Division of Forestry	(317)-232-4105
Division of Historic Preservation & Archaeology	(317) 232-1646
Division of Law Enforcement	(317) 232-4010
Division of State Parks and Reservoirs	(317)-232-4124
Division of Water	(317)-232-4160
Division of Public Information and Education	(317) 232-4200
Division of Reclamation	(317)-232-1547
Division of Safety and Training	(317) 232-4145
Division of Soil Conservation	(317)-233-3870
Division of Oil and Gas	(317) 232-4055
Division of Outdoor Recreation	(317)-232-4070
Division of Nature Preserves	(317)-232-4052

Indiana State Department of Health
2 North Meridian St.
Indianapolis, IN 46204
(317) 233-1325

FEDERAL STAKEHOLDERS

Natural Resources
Conservation Service
6013 Lakeside Blvd
Indianapolis, In 46278
(317) 290-3200

NRCS Field Representatives are generally located with the SWCD office in each county.

U.S. Forest Service
Hoosier National Forest Supervisors Office
and Brownstown Ranger District
811 Constitution Avenue
Bedford, IN 47421
(812) 275-5987
TDD (812) 275-7817
Fax (812) 279-3423

Tell City Ranger District
248 15th Street
Tell City, IN 47586
(812) 547-7051

U.S. EPA Region 5
77 West Jackson Blvd

Chicago, IL 60604
(312) 353-2000
(800) 632-8431

U.S. Army Corps of Engineers
Louisville District
Dr. Martin Luther King Jr. Place
Louisville, KY 40202

Naval Surface Warfare Center- Crane Division
COMMANDER
NAVSURFWARCENDIV CRANE
300 HIGHWAY 361
Crane IN 47522-5001

OTHERS

The Sycamore Land Trust
P.O. Box 7801 Bloomington, IN 47407
(812) 336-5382

The Nature Conservancy
Indiana Field Office
1330 West 38th Street Indianapolis, IN 46208
(317) 923-7547 Dennis J. McGrath, Vice President

APPENDIX D

FUNDING SOURCES

FUNDING SOURCES

This listing of funding sources was derived from the November 1998 *Watershed Action Guide for Indiana*, which is available from the Watershed Management Section of IDEM.

FEDERAL CONSERVATION AND WATERSHED PROGRAMS

Environmental Protection Agency

Section 319, 604(b), and 104(b)3 Grants

Grants for conservation practices, water body assessment, watershed planning, and watershed projects. Available to non-profit or governmental entities. These monies, enabled by the Clean Water Act, are funneled through the Indiana Department of Environmental Management. *For details see IDEM below.*

U.S. Department of Agriculture (See county listings for local federal agency contacts.)

EQIP: Environmental Quality Incentive Program. Administered by the Natural Resources Conservation Service. Conservation cost-share program for implementing Best Management Practices, available to agricultural producers who agree to implement a whole-farm plan that addresses major resource concerns. Up to $50,000 over a 5- to 10-year period. Some parts of the state are designated Conservation Priority Areas and receive a larger funding allotments.

WRP: Wetland Reserve Program. Administered by the Natural Resources Conservation Service. Easement and restoration program to restore agricultural production land to wetland. Easements may be for 10 years, 30 years, or permanent. Longer easements are preferred. Partnerships with other acquisition programs are encouraged. Restoration and legal costs are paid by NRCS. Landowner retains ownership of the property and may use the land in ways that do not interfere with wetland function and habitat, such as hunting, recreational development, and timber harvesting.

CRP: Conservation Reserve Program. Administered by the Farm Service Agency with technical assistance from NRCS. Conservation easements in certain critical areas on private property. Agricultural producers are eligible. Easements are for 10 or 15 years, depending on vegetative cover, and compensation payments are made yearly to replace income lost through not farming the land. Cost share is available for planting vegetative cover on restored areas.

WHIP: Wildlife Habitat Incentive Program. Administered by the Natural Resources Conservation Service. Cost share to restore habitat on previously farmed land. Private landowners who are agricultural producers are eligible. Cost share up to 75%, and contracts are for 10 years.

FIP: Forestry Incentive Program. Administered by the Natural Resources Conservation Service. Cost-share to assist forest management on private lands. Funds may be limited.

U.S. Fish & Wildlife Service

Partners for Wildlife: assistance for habitat restoration.

STATE CONSERVATION AND WATERSHED PROGRAMS

IDNR Division of Soil Conservation

LARE: Lake & River Enhancement Program. Funds diagnostic and feasibility studies in selected watersheds and cost-share programs through local Soil & Water Conservation Districts. Project oversight provided through county-based Resource Specialists and Lake & River Enhancement Watershed Coordinators. Funding requests for Watershed Land Treatment projects must come from Soil & Water Conservation Districts. If a proposed project area includes more than one district, the affected SWCDs should work together to develop an implementation plan. The SWCDs should then apply for the funding necessary to administer the watershed project. Before applying for funding, the SWCDs should contact the Lake & River Enhancement Coordinators to determine (1) the appropriate watershed to include in the project, (2) if the proposed project meets the eligibility criteria, and (3) if funding is available.

IDNR Division of Fish & Wildlife

Classified Wildlife Habitat Program: Incentive program to foster private wildlife habitat management through tax reduction and technical assistance. Landowners need 15 or more acres of habitat to be eligible. IDNR provides management plans and assistance through District Wildlife Managers. See county listings.

Wildlife Habitat Cost-share Program: Similar to above.

IDNR Division of Forestry

Classified Forest Program: Incentive program to foster private forest management through tax reduction and technical assistance. Landowners need 10 or more acres of woods to be eligible. IDNR provides management plans and assistance through District Foresters. (See county listings.)

Classified Windbreak Act: Establishment of windbreaks at least 450 feet long adjacent to tillable land. Provides tax incentive, technical assistance through IDNR District Foresters.

Forest Stewardship Program & Stewardship Incentives Program: Cost share and technical assistance to encourage responsibly managed and productive private forests.

IDNR Division of Reclamation

Appalachian Clean Streams Initiative: Funds for acid mine drainage abatement.

IDNR Division of Nature Preserves

State Nature Preserve Dedication: Acquisition and management of threatened habitat.

IDEM Office of Water Management

State Revolving Fund: Available to municipalities and counties for facilities development. Will be available in 1999 for nonpoint source projects as well. Funding is through very low-interest loans.

Section 319 Grants: Available to nonprofit groups, municipalities, counties, and institutions for implementing water quality improvement projects that address nonpoint source pollution concerns. Twenty-five percent match is required, which may be cash or in-kind. Maximum grant amount is $112,500. Projects are allowed two years for completion. Projects may be for land treatment through implementing Best Management Practices, for education, and for developing tools and applications for state-wide use.

Section 205(j) Grants, formerly called 604(b) Grants: Available to municipalities, counties, conservation districts, drainage districts. These are for water quality management projects such as studies of nonpoint pollution impacts, nonagricultural NPS mapping, and watershed management projects targeted to Northwest Indiana (including BMPs, wetland restoration, etc.)

Section 104(b)(3) Grants: These are watershed project grants for innovative demonstration projects to promote statewide watershed approaches for permitted discharges, development of storm water management plans by small municipalities, projects involving a watershed approach to municipal separate sewer systems, and projects that directly promote community based environmental protection. NOTE: the application time frame for IDEM grant programs is annually, by March 31st.

PRIVATE FUNDING SOURCES

National Fish and Wildlife Foundation

1120 Connecticut Avenue, NW Suite 900, Washington DC 20036. Nonprofit, established by Congress 1984, awards challenge grants for natural resource conservation. Federally appropriated funds are used to match private sector funds. Six program areas include wetland conservation, conservation education, fisheries, migratory bird conservation, conservation policy, and wildlife habitat.

Individual Utilities

Check local utilities such as IPALCO, CINergy, REMC, NIPSCO. Many have grants for educational and environmental purposes.

Indiana Hardwood Lumbermen's Association

Indiana Tree Farm Program

The Nature Conservancy

Land acquisition and restoration.

Southern Lake Michigan Conservation Initiative
Blue River Focus Area
Fish Creek Focus Area
Natural Areas Registry
Hoosier Landscapes Capitol Campaign

Conservation Technology Information Center (CTIC)

'Know Your Watershed' educational materials are available

Indiana Heritage Trust

Land acquisition programs

Ducks Unlimited

Land acquisition and habitat restoration assistance

Quail Unlimited

Pheasants Forever

Sycamore Land Trust

Acres Inc.

Land trust

Oxbow, Inc.

Land trust

SOURCES OF ADDITIONAL FUNDING OPPORTUNITIES

Catalog of Federal Funding Sources for Watershed Protection
EPA Office of Water (EPA841-B-97-008) September 1997

GrantsWeb: http://www.srainternational.org/cws/sra/resource.htm

APPENDIX E

STAKEHOLDER COMMENTS

January 16, 2001

301 Grays Dr.
Gosport, IN 47433
(812) 879-5463

Mr. Jim Dunaway
IDEM
100 North Senate St.
P.O. Box 6015
Indianapolis, IN 46206-6015

Dear Mr. Dunaway:

I read the article in the Spencer Evening World on December 28, 2000 regarding IDEM's concerns about the Lower White River Watershed. Unfortunately, I was out of town for the January 4th meeting.

I live in the town of Gosport, part of Owen County. All residents within city limits have our water supplied by wells near the White River. It is of utmost importance to this community to restore the health of the Lower White River Watershed.

The other counties in the watershed area, along with Owen County, need to be concerned with all environmental impacts upon this area. Special consideration include construction of I-69 in a less environmental impacted area, urban development, increased population, runoff, zoning, roadside erosion, waste disposal, mines, quarries, etc.

It is imperative that we enforce rules that contribute to the quality of our water management.

Sincerely,

Lisa M. Schaupp

Lisa M. Schaupp

R1 Box 136
Logootee, In 47553
01-18-01

IDEM - WRAS
attn; Jr Dunaway
P.O. Box 6015
Indianapolis, In 46206-6015

Dear Mr. Dunaway,

This is in response to the article in the newspaper regarding the meetings Jan 3rd and 4th, asking for public comment. I was unable to attend.

My question and comment is about the Creeks that feed the river. I have spoken to the county extension agent and the Natural resources Conservation office before to see if there was any requirement to remove log-jams in the creeks, as far as I could learn there is no requirement.

Most farmers seem to be so busy with everything else that they ignore some of this stuff

We have property in Reeve Township on which Sugar Creek flows across, so I see problems

Sincerely,
Rena L Torres

Lower White River Watershed Restoration Action Strategy

Attachment 1
U.S. Geological Survey
National Water-Quality Assessment Program

Congress appropriated funds in 1986 for the U.S. Geological Survey (USGS) to begin a pilot program in seven project areas to develop and refine the National Water-Quality Assessment (NAWQA) Program. In 1991, the USGS began full implementation of the program. The NAWQA Program builds upon an existing base of water-quality studies of the USGS, as well as those of other Federal, State, and local agencies. The objectives of the NAWQA Program are to:

- Describe current water-quality conditions for a large part of the Nation's freshwater streams, rivers, and aquifers.
- Describe how water quality is changing over time.
- Improve understanding of the primary natural and human factors that affect water-quality conditions.

This information will help support the development and evaluation of management, regulatory, and monitoring decisions by other Federal, State, and local agencies to protect, use, and enhance water resources (Hirsch, 1997).

The NAWQA Program is assessing the water-quality conditions of more than 50 of the Nation's largest river basins and aquifers, known as Study Units. Collectively, these Study Units cover about one-half of the United States and include sources of drinking water used by about 70 percent of the U.S. population. Comprehensive assessments of about one-third of the Study Units are ongoing at a given time. Each Study Unit is scheduled to be revisited every decade to evaluate changes in water-quality conditions. NAWQA assessments rely heavily on existing information collected by the USGS and many other agencies as well as the use of nationally consistent study designs and methods of sampling and analysis. Such consistency simultaneously provides information about the status and trends in water quality conditions in a particular stream or aquifer and, more importantly, provides the basis to make comparisons among watersheds and improve our understanding of the factors that affect water-quality conditions regionally and nationally (Hirsch, 1998).

The White River Basin in Indiana was among the first 20 river basins to be studied as part of the NAWQA Program between 1992 and 1996. The USGS has published several reports and fact sheets, which address chemical, biological, and human factors within the watershed. The following is a partial listing of information available from the USGS NAWQA studies.

- Circular 1150, Water Quality in the White River Basin, Indiana, 1992-96.
- Report 94-4024, Water-Quality Assessment of the White River Basin, Indiana: Analysis of Available Information on Pesticides, 1972-92.
- Report 96-4192, Water-Quality Assessment of the White River Basin, Indiana: Analysis of Selected Information on Nutrients, 1980-92.
- Report 96-653A, Fish Communities and Habitat Data at Selected Sites in the White River Basin, Indiana, 1993-95.
- Report 97-4260, Environmental Setting and Natural Factors and Human Influences Affecting Water Quality in the White River Basin, Indiana.
- Fact Sheet 110-96, Occurrence of Nitrate in Ground Water in the White River Basin, Indiana, 1994-95.
- Fact Sheet 96-4232, Fishes of the White River Basin, Indiana.

- Fact Sheet 058-97, Trends in Acetochlor Concentrations in the Surface Waters of the White River Basin, Indiana, 1994-96.
- Fact Sheet 119-96, Influence of Natural and Human Factors on Pesticide Concentrations in Surface Waters of the White River Basin, Indiana.
- Fact Sheet 233-95, Occurrence of Pesticides in the White River, Indiana, 1991-95.
- Fact Sheet 209-96, Assessment of Water Quality at Selected Sites in the White River Basin, Indiana, 1993 and 1995 Using Biological Indices.
- Fact Sheet 124-96, Radon in the Fluvial Aquifers of the White River Basin, Indiana, 1995.
- Fact Sheet 138-96, Occurrence of Volatile Organic Compounds in Ground Water in the White River Basin, Indiana, 1994-95.
- Fact Sheet 084-96, Occurrence of Pesticides in Ground Water in the White River Basin, Indiana, 1994-95.

For additional information on the NAQWA Program, contact:
Project Chief
White River Basin Study
U.S. Geological Survey
5957 Lakeside Boulevard
Indianapolis, IN 46278-1996
317-290-3333
or visit, http://in.water.usgs.gov/

References

Hirsch, R.M. *in* Fenelon, J.M., 1998, Water quality in the White River basin, Indiana, 1992-96: U.S. Geological Survey Circular 1150, 1p.

Hirsch, R.M. *in* Baker, N.T. and Frey, J.W., 1997, Fish community and habitat data at selected sites in the White River basin, Indiana, 1993-95: U.S. Geological Survey Open File Report 96-653A, Forward.